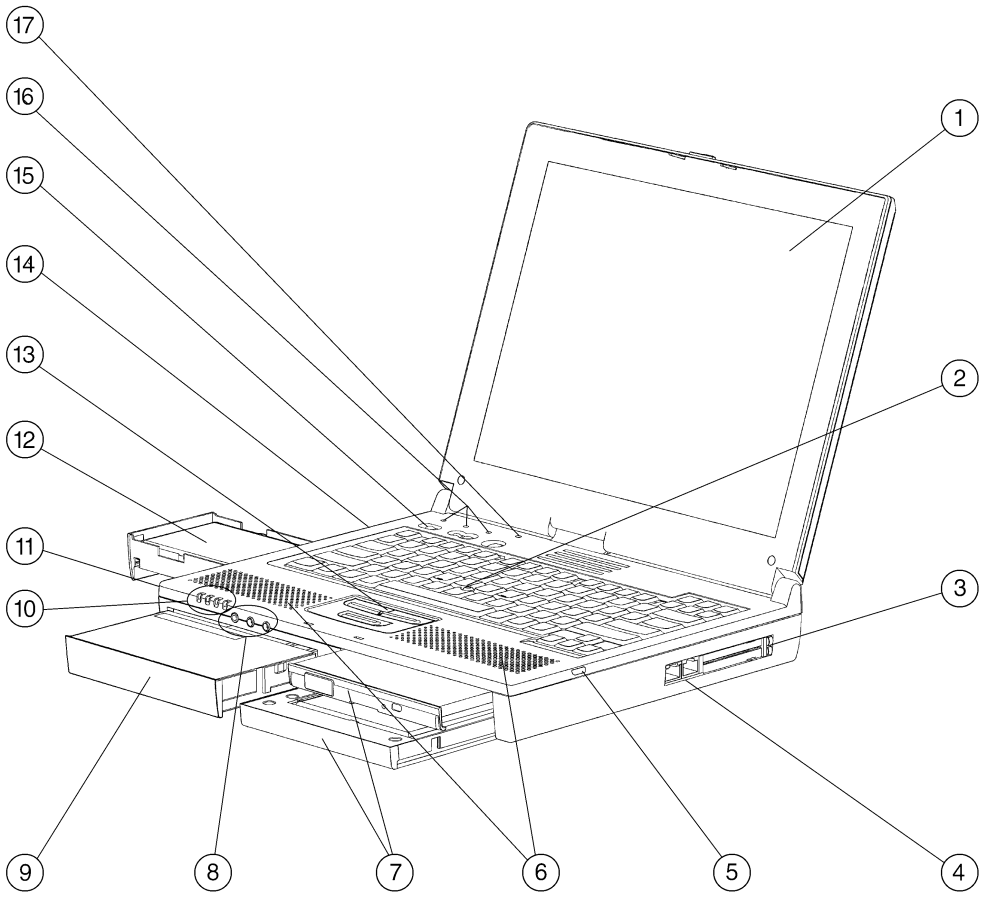
Overview

AT A GLANCE

- Intel Mobile Pentium® III processor 500 MHz
- Intel Mobile Pentium II processor 400 MHz
- 128-MB SDRAM/576-MB Max
- 14- or 18-GB SMART Hard Drive
- 14.1-in or 15-in TFT 1024 x 768 display
- AGP 2X (Accelerated Graphics Port) Implementation
  - 8-MB Video SDRAM
  - 66-MHz graphics bus
- Tri-view display support (TV-out NTSC & PAL)
- Choice of Windows NT 4.0 Windows 98
- Integrated Mini PCI modem or modem/NIC combo
- Full-size keyboard
- User removable hard drive
- Dual-stacked MultiBay providing integrated 3 spindle support
- Dual battery support
- Integrated stereo-speakers
- Industry-leading Compaq PC Lifecycle Solutions
- Protected by a three-year, Worldwide Limited Warranty — Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Centre at 1-888-88-COMPAQ.



1. 14.1-in or 15-in Colour TFT Display
2. EasyPoint IV™ Pointing Stick
3. PC Card Slots (2)
4. RJ-11/RJ-45 Jacks
5. Acoustic Ports (2)
6. Stereo Speakers (2)
7. Dual-stacked MultiBay (hold: 12.7 mm diskette drive, CD-ROM, SuperDisk LS-120, second battery, or MultiBay HDD; Also can hold: one 12-cell battery, or one 17 mm HDD (w/HDD adapter)
8. Microphone jack, Stereo Speaker/Headphone jack, Stereo Line-in jack
9. 8-cell Battery
10. Battery light, Power/Suspend light, HDD light, MultiBay light
11. Integrated Microphone (on left-side)
12. Primary HDD
13. Left, Right, and Scroll Pointing-Stick Buttons
14. S-Video Port (on left-side)
15. Power, Volume (2), Suspend Buttons
16. Num Lock, Scroll Lock, Caps Lock lights
17. Lid Switch

COMPAQ

Standard Features

MODELS

Armada E700
Available in multiple configurations

Processor – One of the following:

Intel Pentium III processor 500 MHz
Intel Pentium II processor 400 MHz

Cache Memory

Integrated 256-KB L2

Memory

Standard	128 MB SDRAM
Maximum	576 MB SDRAM

Communications

Integrated industry-standard Mini-PCI 56K v.90, 56/33.6/14/4 Kb/s controllerless modem, with protection from power surges and digital phone lines

Note: Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem only supports Windows 9.x and Windows NT 4.0.

Keyboard

101-key compatible keyboard with isolated, inverted-T cursor control keys and right-control key; special feature hotkeys for instant access to power conservation QuickLock/QuickBlank , battery charge status, brightness, mute and toggle between internal, external or simultaneous displays

Pointing Device

Keyboard-integrated, textured, EasyPoint IV with 3 button support for easy selection, scrolling and magnification

PC Card Slots

Two Type II/One Type III PC Card Slot(s) support both 32-bit CardBus (Full support in Windows 9.x) and 16-bit PC Cards; Zoomed Video support in both slots.

Storage

Diskette Drives	1.44 MB
Optical Drives	DVD-ROM Drive
Hard Drives	One of the following:
18-GB SMART	
14-GB SMART	

Multimedia

Integrated PCI audio controller based on ESS Maestro-3E with ES1920 AC'97 Rev 2.0 codec and selectable 2-MB/4-MB wavetable with WDM drivers for Win 98. Compaq *Premier•Sound*™ for enhanced stereo audio (16-bit Sound Blaster Pro compatible), integrated stereo speakers and microphone, software volume control, stereo line-in, headphone out, microphone in jacks, standard CD-ROM Drive or DVD-ROM Drive and software MPEG1. Software MPEG2 is available.

Standard Features

Interfaces

PC Card	Two Type II/One Type III Slot(s)
Enhanced Parallel	1
Serial	1
External Monitor	1
External Keyboard/ Pointing Device	1
Convenience Base	1
Headphone/Line-out	1
Microphone in	1
AC Power	1
DC Power	1
RJ-45	1
RJ-11	1
Infrared	1 (4 Mb/s support) (IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and application used.)
USB	1

Graphics

AGP 2X implementation with dedicated 66-MHz AGP graphics bus. ATI Mobility-P™ graphics controller with 8 MB of 125-MHz SDRAM. Up to 100 Hz external refresh at SVGA resolution up to 16.8M colours. Supports Tri-view display with TV-out, with 2 different images on 2 different displays at different refresh rates. NTSC & PAL TV-out support via optional dongle up to 1024 x 768 resolution

Display – One of the following:

15-inch colour TFT with 1024 x 768 resolution (up to 16.8M colours)

14.1-inch colour TFT with 1024 x 768 resolution (up to 16.8M colours)

Operating System – One of the following:

Windows NT Workstation 4.0

(Customers who purchased units preinstalled with Windows NT Workstation 4.0 are eligible to participate in a program providing a free upgrade to Windows 2000 at time of Microsoft announcement. Please review the "Read This First" card in product box or refer to www.compaq.com/microsoft/windows2000 for the order form and additional information. **Note**: this Web site is available in English only.)

Windows 98

Software

Compaq Intelligent Manageability
Security 32
Diagnostics for Windows NT or 9.x
Compaq Power Management
Online Safety and Comfort Guide
Reference Guide
Carbon Copy

Intelligent Manageability

Lowers cost of ownership by providing enhanced security, asset management and fault prediction. Also provides system alerts such as SMART Drive alert, battery fault alert, thermal alert, and memory alert for investment and data protection

Security

Cable lock support
Power-on and setup passwords
QuickLock/QuickBlank
Ability to disable serial port, parallel port, PC Card slots, diskette drive, diskette drive boot sequence, infrared port
Memory door security screw (tool included)
DriveLock Security for advanced data protection
Password protection resides on the drive

Standard Features

Power Supply

Integrated AC Adapter for less bulky transportation; 8-foot power cord included

Battery

Li-Ion Battery Pack provides over 3.0 hours of battery life; an optional 6-cell or 9-cell battery can be supported in the MultiBay for increased battery life of 5 or 7.5 hours respectively. Battery QuickCheck button on battery pack provides instant visual indication of charge status.

Note: Actual results may vary with individual usage. When tested in standard configuration, using the Ziff-Davis BatteryMark Test v3.0, the battery life of the Armada E700 PII, 400MHz, Win98 model using the 8-cell battery will range up to 3.2 hours. Standard configuration at time of announcement (3/6/00) is considered to be one battery, a 1024 x 768 (64K colours) 14.1-in panel set at 50 % brightness, 64-MB RAM and no drives other than the hard drive active.

Power Conservation

Hibernation, Instant-On via Suspend; pop-ups with three presets and one custom level of power conservation

Service and Support

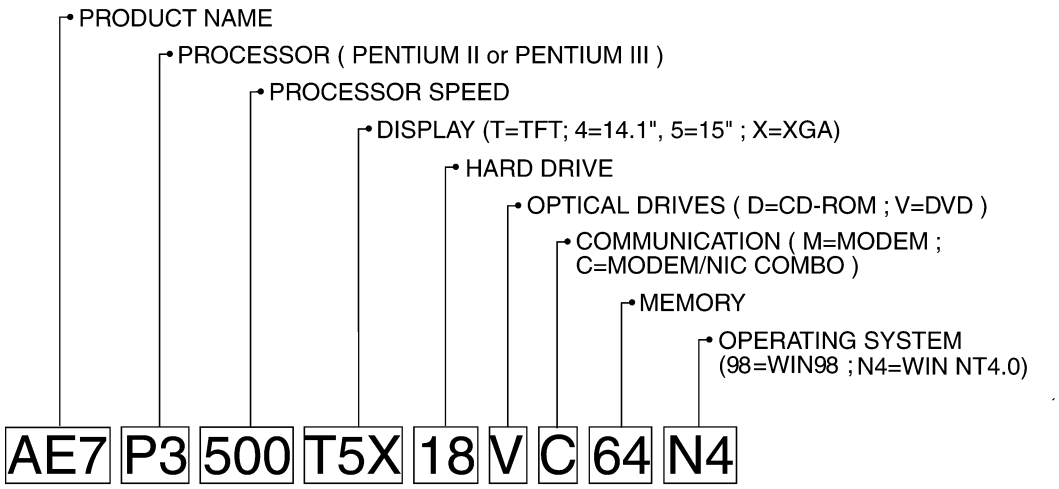
Compaq Services provides a range of services for the Armada E700, with 7 x 24 service line at 1-800-OK-COMPAQ (1-800-652-6672) and a three-year, Worldwide Limited Warranty with second business day pick-up and delivery service from Compaq. All shipping and handling materials are supplied and arranged by Compaq.

Note: Certain restrictions and exclusions apply. Consult the Compaq Customer Support Center for details. In Canada, consult the Product Information Centre at 1-888-88-COMPAQ.

Note: Pick-up and delivery service is available in 48 contiguous US States and Canada. Eligibility for priority pick-up (second business day return) is limited to certain geographic locations. Carry-in services available outside the US and Canada.

Naming Convention

Etymology of a Model Name:


PRODUCT NAME
PROCESSOR (PENTIUM II or PENTIUM III)
PROCESSOR SPEED
DISPLAY (T=TFT; 4=14.1", 5=15" ; X=XGA)
HARD DRIVE
OPTICAL DRIVES (D=CD-ROM ; V=DVD)
COMMUNICATION (M=MODEM ; C=MODEM/NIC COMBO)
MEMORY
OPERATING SYSTEM (98=WIN98 ; N4=WIN NT4.0)
AE7 P3 500 T5X 18 V C 64 N4

Standard Features

Models

AE7 P3500T5X18VC128N4
140146-001

Display	15-inch colour TFT	**Optical Drive**	DVD-ROM Drive
Processor	Intel Pentium III 500-MHz	**Hard Drive**	18-GB SMART
Cache Memory	256-KB integrated L2	**Modem**	Mini-PCI v.90 modem / 10/100 TX NIC Combo
Memory		**Graphics**	ATI Mobility-P™ graphics controller
Standard	128 MB	**Audio**	Compaq *Premier•Sound*™
Maximum	576 MB	**Software**	Windows NT 4.0

AE7 P3500T5X18VC12898
140262-001

Display	15-inch colour TFT	**Optical Drive**	DVD-ROM Drive
Processor	Intel Pentium III 500-MHz	**Hard Drive**	18-GB SMART
Cache Memory	256-KB integrated L2	**Modem**	Mini-PCI v.90 modem / 10/100 TX NIC Combo
Memory		**Graphics**	ATI Mobility-P™ graphics controller
Standard	128 MB	**Audio**	Compaq *Premier•Sound*™
Maximum	576 MB	**Software**	Windows 98

AE7 P2400T4X14VM128N4
113364-001

Display	14.1-inch colour TFT	**Optical Drive**	DVD-ROM Drive
Processor	Intel Pentium II 400-MHz	**Hard Drive**	14-GB SMART
Cache Memory	256-KB integrated L2	**Modem**	Mini-PCI v.90 modem
Memory		**Graphics**	ATI Mobility-P™ graphics controller
Standard	128 MB	**Audio**	Compaq *Premier•Sound*™
Maximum	576 MB	**Software**	Windows NT 4.0

AE7 P2400T4X14VO12898
152361-001

Display	14.1-inch colour TFT	**Optical Drive**	DVD-ROM Drive
Processor	Intel Pentium II 400-MHz	**Hard Drive**	14-GB SMART
Cache Memory	256-KB integrated L2	**Modem**	None
Memory		**Graphics**	ATI Mobility-P™ graphics controller
Standard	128 MB	**Audio**	Compaq *Premier•Sound*™
Maximum	576 MB	**Software**	Windows 98

Options

Memory

256-MB Memory Upgrade	161554-B21
128-MB Memory Upgrade	400313-B21
64-MB Memory Upgrade	400312-B21

Monitors

TFT8020 Flat Panel (carbon)	159244-001
TFT5010 Flat Panel (opal)	104741-001
TFT5010 Flat Panel (carbon)	154486-001
P1100 Colour (May not be compatible with the Armada Station Monitor Support Stand, the Convenience Base I, or the Convenience Base II due to weight limitations.)	325606-001
P900 Colour	386326-001
P700 Colour	380207-001
V1100 Colour (May not be compatible with the Armada Station Monitor Support Stand, the Convenience Base I, or the Convenience Base II due to weight limitations.)	386472-001
V500 Colour	325900-001
S900 Colour (May not be compatible with the Armada Station Monitor Support Stand, the Convenience Base I, or the Convenience Base II due to weight limitations.)	360562-001
S710 Colour	152991-001

Storage Devices

25-GB Hard Drive and MultiBay Adapter	155759-B25
14-GB Hard Drive and MultiBay Adapter	354231-B25
MultiBay 18-GB Hard Drive	164614-B25
MultiBay 12-GB Hard Drive	163531-B25
MultiBay 6-GB Hard Drive	173395-B25

PC Cards/Communications

56K PC Card Modem (Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem only supports Windows 9.x and Windows NT 4.0.)	295050-001
USB CardBus Card (Full support in Windows 9.x.)	296501-B21
SpeedPaq Cellular PC Card + SpeedPaq 336 Telephony modem	221200-001
10/100 TX PC Card UTP Controller	335506-B21
10 T PC Card UTP Controller	292806-B21
10 2 PC Card Coax Controller	292807-B21
100BaseTX Ethernet Upgrade	225435-001
16/4 TR PC Card IBM UTP/STP Controller	301208-B21

For additional compatible PC Cards, view the Compaq PC Card Solutions List on the Compaq Web site at http://www.compaq.com/support/techpubs/pcmcia/pccardlist.html. **Note:** this Web site is available in English only.

Multimedia

DVD-to-GO	202861-B21

Options

Expansion Bases

ArmadaStation EM With Intel NIC	120266-001
ArmadaStation EM Tower Stand (Carbon)	123129-B25
Convenience Base EM	382500-001
Convenience Base EM With Intel NIC	120971-001
Convenience Base Monitor Stand	122931-B21
Port Replicator EM	382300-001
PCI IBM Token Ring Card	133749-B21
PCI Cardbus Reader (For ArmadaStation EM and Convenience Base EM)	127397-B25

Power

Primary Battery (8-Cell)	109095-B21
MultiBay Battery (6-Cell)	387937-B25
Dual MultiBay Battery (12-Cell)	109094-B21
External Battery Charger	135555-001
External Battery Charger (carbon)	220461-001
Auto Adapter	401043-B25
Air Adapter	386504-B21
AC Power Cord (10-ft)	217932-002

Input Devices

External Enhanced III Keyboard (beach gray)	110562-001
External Enhanced III Keyboard (opal)	294343-001
External Enhanced III Keyboard (carbon)	118003-008
External Infrared Transceiver	220687-002
Compaq Mouse (beach gray)	143315-001
Compaq Mouse (opal)	143315-B21
Compaq Mouse (carbon)	103180-001/B21

Useful Accessories

Security Lock	294316-B21
Armada Headset with microphone	220460-001
Universal Monitor Stand	294315-B21
MP1600 Microportable Projector	386202-001

Carrying Cases

Compaq Value Case	294266-B21
Compaq Workstation Case	294267-B21
Compaq Global Case	294268-B21
Compaq Professional Case (Nylon)	401366-B21
Compaq Professional Case (Leather)	401367-b21

Note: For additional Compaq Brand cases, refer to www.compaq.com/products/portables. **Note:** this Web site is available in English only.

MultiMedia Devices

MultiBay 4X DVD-ROM Drive	118103-B25
MultiBay 24X Max CD-ROM Drive (Data transfer rates will vary from 150 KB/s to 3600 KB/s.)	298452-B25
MultiBay SuperDisk LS-120 Drive	296502-B25

Memory

Compaq Armada E700

STANDARD MEMORY

128 MB installed – 64-MB SDRAM installed on the System Board and 64 MB installed in 1 slot (1 slot available)

Standard	Slot 1	Slot 2
128 MB	64 MB	Empty

STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 384 MB of SDRAM is available with the installation of an optional Memory Upgrade.

Up To	Slot 1	Slot 2
160 MB	64 MB	32 MB
192 MB	64 MB	64 MB
256 MB	64 MB	128 MB
384 MB	64 MB	256 MB

STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 576 MB of SDRAM memory is available with the removal of the standard 64-MB SDRAM Memory Upgrade and the installation of optional SDRAM Memory Kits in addition to the 64-MB SDRAM on the System Board.

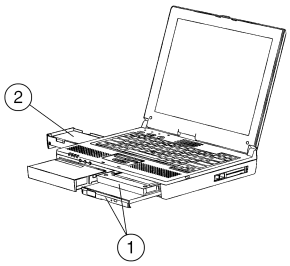
Up To	Slot 1	Slot 2
320 MB	128 MB	128 MB
448 MB	128 MB	256 MB
576 MB	256 MB	256 MB

Note: Because one memory slot is occupied in these products, the 64 MB SDRAM Memory Upgrade (which ships standard) must be removed to reach the maximum memory of 576 MB. This chart does not represent all possible memory configurations.

Following are memory options available from Compaq:

- 256-MB Memory Upgrade 161554-B21
- 128-MB Memory Upgrade 400313-B21
- 64-MB Memory Upgrade 400312-B21

Storage



1 MultiBay
2 Dedicated hard drive bay

DRIVE SUPPORT

	Quantity Supported	Drive Bay Supported
Removable Media		
1.44-MB Diskette Drive	1	MultiBay (Bottom Bay Only)
24X Max CD-ROM Drive	1	MultiBay
4X DVD-ROM	1	MultiBay
SuperDisk LS-120	1	MultiBay
Hard Drives		
18-GB SMART Hard Drive	1, 2	Dedicated hard drive bay and MultiBay
12-GB SMART Hard Drive	1, 2	Dedicated hard drive bay and MultiBay
6-GB SMART Hard Drive	1, 2	Dedicated hard drive bay and MultiBay

Technical Specification

System Unit

Dimensions (HxWxD)	2 x 12.6 x 10.2 in/5.08 x 32 x 25.9 cm
Weight (with modem installed)	
DVD-ROM/FDD configured (15-in/38.1 cm)	
Without Power Cord	8.8 lbs/4 kg
With Power Cord (total carrying weight)	9.2 lbs/4.2 kg
DVD-ROM/Weight Saver configured (15-in/38.1 cm)	
Without Power Cord	8.4 lbs/3.8 kg
With Power Cord (total carrying weight)	8.8 lbs/4 kg
12-cell Battery configured (15-in/38.1 cm)	
Without Power Cord	9 lbs/4.1 kg
With Power Cord (total carrying weight)	9.4 lbs/4.3 kg
Stand-Alone Power Requirements	
Average Operating Power	15W
Peak Operating Power	30W
Power Supply	
Rated Input Voltage	100 to 120/220 to 240 VAC
Rated Input Current	1.2/0.6A
Rated Frequency	50 to 60 Hz
Temperature	
Operating	5° to 104°F/10° to 40°C
Non-operating	–4° to 140°F/–20° to 60°C
Relative Humidity (non-condensing)	
Operating	10% to 90% relative humidity, non-condensing
Non-operating	5% to 95% relative humidity, 101.6°F/38.7°C Maximum webulb temperature
Shock	
Operating	10 G, 11 ms, half sine
Non-operating	60 G, 11 ms, half sine
Vibration	
Operating	0.25 G, 50 to 500 Hz sine, 1/2 octave/minute sweep
Non-operating	1 G, 50 to 500 Hz sine, 1/2 octave/ minute sweep
Maximum Altitude (unpressurized)	
Operating	10,000 ft/3,048 m (14.7 to 10.1 psia)
Non-operating	30,000 ft/9,144 m (14.7 to 4.4 psia)

Technical Specifications

15-Inch Colour TFT XGA Display

Dimensions (HxW)	8.98 x 11.97 in/22.81 x 30.41 cm
Diagonal Size	15 in/38.1 cm
Mounting	Internal Panel Supports
Number of Colours	Up to 16.8M with dithering
Contrast Ratio	150:1
Brightness	150 cd/m^2
Pixel Resolution	
Pitch	0.297 x 0.297 mm
Format	1024 x 768
Configuration	RGB stripe
Backlight	CCFT (Cold Cathode Fluorescent Tube)
Character Display	80 x 25
Total Power Consumption	4.5W

14.1-Inch Colour TFT XGA Display

Dimensions (HxW)	8.5 x 11.27 in/21.59 x 28.63 cm
Diagonal Size	14.1 in/35.81 cm
Mounting	Internal Panel Supports
Number of Colours	Up to 16.8M with dithering
Contrast Ratio	150:1
Brightness	150 cd/m^2
Pixel Resolution	
Pitch	0.279 x 0.279 mm
Format	1024 x 768
Configuration	RGB stripe
Backlight	CCFT (Cold Cathode Fluorescent Tube)
Character Display	80 x 25
Total Power Consumption	4.5W

Technical Specification

Hard Drives

18 GB	**Capacity**	18 GB	**Seek Time** (typical reads, including settling)	
	Height	0.5 in/12.7 mm	Single Track	2.5 ms
	Width	2.5 in/63.5 mm (2.75 in/69.85 mm actual)	Average	12 ms
	Interface	ATA-4	Full-Stroke	23 ms
	Transfer Rate		Rotational Speed	5400 rpm
	Synchronous		**Physical Configuration**	
	(Maximum DMA)	33.3 MB/s Mode 2	Bytes/sector	512
	(Maximum UDMA)	66.6 MB/s Mode 4	**Operating Temperature**	41° to 131°F/5° to 55°C

14 GB	**Capacity**	14.1 GB	**Seek Time** (typical reads, including settling)	
	Height	0.67 in/17 mm	Single Track	4 ms
	Width	2.5 in/63.5 mm (2.75/69.85 mm	Average	12 ms
	Interface	ATA-4	Full-Stroke	23 ms
	Transfer Rate		Rotational Speed	4900 rpm
	Synchronous		**Physical Configuration**	
	(Maximum DMA)	33.3 MB/s Mode 2	Bytes/sector	512
	(Maximum UDMA)	66.6 MB/s Mode2	**Operating Temperature**	41° to 131°F/5° to 55°C

Diskette Drive

Diskette Size	3.5 in
Light	On system
Height	0.5 in/12.7 mm
Bytes per Sector	512
Sectors per track	
High density	18 (1.44 MB)/15 (1.2 MB)
Low density	9
Tracks per side	
High density	80 (1.44 MB)/80 (1.2 MB)
Low density	80
Read/Write heads	2
Access Times	
Track-to track (high/low)	3 ms/6 ms
Average (high/low)	94 ms/174 ms
Settling time	15 ms
Latency average	100 ms

Technical Specifications

Li-Ion Battery Pack

Dimensions (HxWxL)	0.92 x 3.46 x 5.44 in/2.34 x 8.8 x 13.82 cm
Weight	0.89 lb/0.4 kg
Energy (Primary 8-cell Battery)	
Voltage	14.4 V
Amp-hour capacity	3.2 Ah
Watt-hour capacity	46Wh (w/calibration)
Energy (Optional 12-cell Battery)	
Voltage	14.4 V
Amp-hour capacity	4.9 Ah
Watt-hour capacity	69Wh (w/calibration)
Energy (Optional 6-cell Battery)	
Voltage	10.8 V
Amp-hour capacity	2.8 Ah
Watt-hour capacity	30Wh (w/calibration)
Performance	
Single primary battery life	3.0 hours
Dual battery life (8-cell and 12-cell)	8.8 hours
Dual battery life (8-cell and 6-cell)	5.8 hours
Temperature	
Operating	50° to 104°F/10° to 40°C
Non-operating	–12° to 140°F/–30° to 60°C

DVD-ROM Drive

Center Hole Diameter	0.59 in/1.49 cm
Disc Diameter	4.72 in/12 cm, 3.15 in/8 cm
Disk Thickness	0.047 in/1.2 mm
Track Pitch	0.74 µm
Access Times (typical reads, including settling)	
Random	< 150 ms
Full-Stroke	< 225 ms
Audio Output Level	
Line-out	0.7 Vrms (typical)
Cache Buffer	128 Kb/s (minimum)
Data Transfer Rate	
Sustained (1X)	150 Kb/s
Sustained DVD	2760 Kb/s
Normal PIO Mode 4 (single burst)	16.6 Mb/s
Start-up Time	< 15 sec (typical)
Stop Time	< 6 sec

Compaq recommends Windows 2000 Professional for business.
For more information on the benefit of Windows 2000 please visit our Web site at http://www.compaq.com/partners/microsoft/windows2000/index.html. Please note that this Web site is available in English only.
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